

CERIDUST 2740 TP

Page 1

Substance key: 000000685490

Revision Date: 05/11/2022

Version : 1 - 2 / USA

Date of printing :11/06/2023

SECTION 1. IDENTIFICATION

Identification of the company:	Clariant Corporation 500 East Morehead Street, Suite 400 Charlotte, NC 28202 Telephone No.: 1-704-331-7000
	Information of the substance/preparation: Product Stewardship, +1-704-331-7710 e-mail: SDS.NORAM@clariant.com
	Emergency tel. number: +1 800-424-9300 CHEMTREC

Trade name: CERIDUST 2740 TP
Material number: 303893

Primary product use: Additive
Chemical family: Micronized Wax

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Combustible dust

GHS label elements

Signal word : Warning

Hazard statements : May form combustible dust concentrations in air.

Precautionary statements : **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243 Take precautionary measures against static discharge.
P233 Keep container tightly closed.

Other hazards

No additional hazards are known except those derived from the labelling.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
N,N'-Ethylenedi(stearamide)	110-30-5	50 - 70

CERIDUST 2740 TP

Page 2

Substance key: 000000685490

Revision Date: 05/11/2022

Version : 1 - 2 / USA

Date of printing : 11/06/2023

Paraffin Wax

8002-74-2

50 - 70

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4. FIRST AID MEASURES

- General advice : Get medical advice/ attention if you feel unwell.
- If inhaled : Move the victim to fresh air.
Give oxygen or artificial respiration if needed.
Get immediate medical advice/ attention.
Never give anything by mouth to an unconscious person.
- In case of skin contact : Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Get medical attention immediately if irritation develops and persists.
- If swallowed : If swallowed, DO NOT induce vomiting.
Do not give anything to drink.
Call a physician immediately.
- Most important symptoms and effects, both acute and delayed : The possible symptoms known are those derived from the labelling (see section 2).
No additional symptoms are known.
- Notes to physician : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Foam
Water spray jet
Dry powder
- Unsuitable extinguishing media : High volume water jet
Carbon dioxide (CO₂)
- Specific hazards during firefighting : In case of fire hazardous decomposition products may be produced such as:
Carbon monoxide
Carbon dioxide (CO₂)
Under certain conditions of combustion traces of other toxic substances cannot be excluded
- Further information : Wear suitable protective equipment.
- Special protective equipment for firefighters : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Wear suitable protective equipment.
- Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.

CERIDUST 2740 TP

Page 3

Substance key: 000000685490

Revision Date: 05/11/2022

Version : 1 - 2 / USA

Date of printing : 11/06/2023

Methods and materials for : Take up mechanically
 containment and cleaning up : Dispose of in accordance with local regulations.

SECTION 7. HANDLING AND STORAGE

Advice on protection against : Dust may form explosive mixture in air.
 fire and explosion : Electrical equipment should be protected to the appropriate standard.

Advice on safe handling : Avoid dust formation. Keep away from sources of ignition.
 Lead off electrostatic charges.
 Avoid inhalation, ingestion and contact with skin and eyes.
 Wash thoroughly after handling.

Further information on : Store in original container.
 storage conditions : Keep container tightly closed.
 Store in a cool, dry, well-ventilated area.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
N,N'-Ethylenedi(stearamide)	110-30-5	TWA (Inhalable particulate matter)	10 mg/m ³	ACGIH
		TWA (Respirable particulate matter)	3 mg/m ³	ACGIH
Paraffin Wax	8002-74-2	TWA (Fumes)	2 mg/m ³	ACGIH
		TWA (Fumes)	2 mg/m ³	NIOSH REL
		TWA (Fumes)	2 mg/m ³	OSHA P0

Engineering measures : A system of local and/or general exhaust is recommended where employee exposures are at or above Occupational Exposure Limits (OEL).

Personal protective equipment

Respiratory protection : Wear NIOSH approved particulate filtering respirator rated N, R, or P95 or 100 or equivalent in the absence of proper environmental control. Type of respirator depends on level of

CERIDUST 2740 TP

Page 4

Substance key: 000000685490

Revision Date: 05/11/2022

Version : 1 - 2 / USA

Date of printing : 11/06/2023

exposure.

General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection	:	
Remarks	:	Butyl Rubber, PVC Or Neoprene.
Eye protection	:	Safety glasses with side-shields
Skin and body protection	:	Wear protective clothing, including long sleeves and gloves, to prevent skin contact.
Protective measures	:	Observe the usual precautions for handling chemicals.
Hygiene measures	:	Wash hands before breaks and at the end of workday. When using do not eat, drink or smoke. Use protective skin cream before handling the product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	micropowder
Colour	:	white
Odour	:	not specified
Odour Threshold	:	no data available
pH	:	Not applicable
Melting point	:	> 212 °F / > 100 °C Method: DSC
Drop point	:	ca. 288 °F / 142 °C Method: ASTM D 3954-94
Boiling point	:	Not applicable
Flash point	:	Not applicable
Self-ignition	:	Method: Expert judgement The substance or mixture is not classified as pyrophoric. The product melts below 160 °C. Therefore, no further testing of self-heating properties is required.

CERIDUST 2740 TP

Page 5

Substance key: 000000685490

Revision Date: 05/11/2022

Version : 1 - 2 / USA

Date of printing : 11/06/2023

Burning number	:	2 Short flaring up without spreading
Upper explosion limit / upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Vapour pressure	:	Not applicable
Relative vapour density	:	Not applicable
Relative density	:	no data available
Density	:	ca. 0.98 g/cm ³ (73 °F / 23 °C) Method: ISO 1183
Bulk density	:	no data available
Solubility(ies) Water solubility	:	< 1 mg/l insoluble
Partition coefficient: n-octanol/water	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	The product does not contain any chemical groups which suggest self-reactive properties, nor is the estimated SADT less than 75 °C, nor is the exothermic decomposition energy higher than 300 J/g.
Viscosity Viscosity, kinematic	:	no data available
Explosive properties	:	Not explosive Method: Expert judgement
Oxidizing properties	:	The substance or mixture is not classified as oxidizing. Method: Expert judgement The product does not contain organic peroxide-groups which result from either the manufacturing process or from added ingredients.
Dust deflagration index (Kst)	:	213 m.b_/s
Dust explosion class	:	St2
Metal corrosion rate	:	Not applicable

CERIDUST 2740 TP

Page 6

Substance key: 000000685490

Revision Date: 05/11/2022

Version : 1 - 2 / USA

Date of printing : 11/06/2023

Minimum ignition energy	:	1 - 3 mJ with inductive electrical resistance
		1 - 3 mJ without inductive electrical resistance
Particle size	:	ca. 6 µm Method: Laser diffraction with dispersion in dry air. Median value
Particle Size Distribution	:	D50 = 6 µm Measurement method: ISO 13320 Measurement technique: laser diffraction

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable
Possibility of hazardous reactions	:	The substance or mixture does not emit flammable gases in contact with water. Not corrosive to metals
Conditions to avoid	:	Keep away from heat and sources of ignition.
Incompatible materials	:	none
Hazardous decomposition products	:	When handled and stored appropriately, no dangerous decomposition products are known The product does not contain any chemical groups which suggest self-reactive properties, nor is the estimated SADT less than 75 °C, nor is the exothermic decomposition energy higher than 300 J/g.

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Skin contact
Eye contact
Inhalation

Acute toxicity**Product:**

Acute oral toxicity	:	Remarks: no data available
Acute inhalation toxicity	:	Remarks: no data available
Acute dermal toxicity	:	Acute toxicity estimate: 2,500 mg/kg Method: Calculation method

Components:**N,N'-Ethylenedi(stearamide):**

CERIDUST 2740 TP

Page 7

Substance key: 000000685490

Revision Date: 05/11/2022

Version : 1 - 2 / USA

Date of printing : 11/06/2023

- Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg
Method: OECD Test Guideline 401
- Acute inhalation toxicity : LC50 (Rat, male and female): > 6.3 mg/l
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
- Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity

Paraffin Wax:

- Acute oral toxicity : LD50 (Rat, female): > 5,000 mg/kg
Method: OECD Test Guideline 420
- Acute inhalation toxicity : Remarks: no data available
- Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation**Product:**

Remarks: no data available

Components:**N,N'-Ethylenedi(stearamide):**

Species: Rabbit
Method: OECD Test Guideline 404
Result: No skin irritation

Paraffin Wax:

Species: Rabbit
Method: OECD Test Guideline 404
Result: No skin irritation

Serious eye damage/eye irritation**Product:**

Remarks: no data available

CERIDUST 2740 TP

Page 8

Substance key: 000000685490

Revision Date: 05/11/2022

Version : 1 - 2 / USA

Date of printing :11/06/2023

Components:**N,N'-Ethylenedi(stearamide):**

Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

Paraffin Wax:

Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

Respiratory or skin sensitisation**Product:**

Remarks: no data available

Components:**N,N'-Ethylenedi(stearamide):**

Species: Mouse

Method: OECD Test Guideline 429

Result: Not a skin sensitizer.

Paraffin Wax:

Test Type: Maximisation Test

Species: Guinea pig

Method: OECD Test Guideline 406

Result: Not a skin sensitizer.

Germ cell mutagenicity**Product:**

Germ cell mutagenicity - Assessment : No information available.

Components:**N,N'-Ethylene(stearamide):**

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative

Test Type: Chromosome aberration test in vitro
Test system: Chinese hamster lung cells
Metabolic activation: with and without metabolic activation

CERIDUST 2740 TP

Page 9

Substance key: 000000685490

Revision Date: 05/11/2022

Version : 1 - 2 / USA

Date of printing :11/06/2023

Method: OECD Test Guideline 473

Result: negative

Test Type: Mammalian cell gene mutation assay

Test system: mouse lymphoma cells

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 476

Result: negative

Germ cell mutagenicity - Assessment : In vitro tests did not show mutagenic effects

Paraffin Wax:

Germ cell mutagenicity - Assessment : In vitro tests did not show mutagenic effects, In vivo tests did not show mutagenic effects

Carcinogenicity**Product:**

Carcinogenicity - Assessment : No information available.

Components:**N,N'-Ethylenedi(stearamide):**

Carcinogenicity - Assessment : No information available.

Paraffin Wax:

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity**Product:**

Reproductive toxicity - Assessment : No information available.

Components:**N,N'-Ethylenedi(stearamide):**

Effects on foetal : Test Type: Pre-natal

CERIDUST 2740 TP

Page 10

Substance key: 000000685490

Revision Date: 05/11/2022

Version : 1 - 2 / USA

Date of printing : 11/06/2023

development

Species: Rat
Strain: Sprague-Dawley
Application Route: oral (gavage)
General Toxicity Maternal: NOAEL: \geq 1,000 mg/kg body weight
Method: OECD Test Guideline 414

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

Paraffin Wax:

Effects on fertility

: Species: Rat, male and female
Strain: Sprague-Dawley
Application Route: oral (gavage)
General Toxicity F1: NOAEL: \geq 1,000 mg/kg body weight
Method: OECD Test Guideline 421
GLP: yes
Remarks: By analogy with a product of similar composition

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

STOT - single exposure**Components:****N,N'-Ethylenedi(stearamide):**

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

Paraffin Wax:

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure**Components:****N,N'-Ethylenedi(stearamide):**

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Paraffin Wax:

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity**Product:**

CERIDUST 2740 TP

Page 11

Substance key: 000000685490

Revision Date: 05/11/2022

Version : 1 - 2 / USA

Date of printing :11/06/2023

Remarks: This information is not available.

Components:**N,N'-Ethylenedi(stearamide):**

Species: Rat, male and female

NOEL: >= 1000 mg/kg bw/day

Application Route: oral (gavage)

Method: OECD Test Guideline 408

Paraffin Wax:

Symptoms: No adverse effects

Aspiration toxicity**Components:****N,N'-Ethylenedi(stearamide):**

no data available

Paraffin Wax:

no data available

Experience with human exposure**Product:**

General Information : The possible symptoms known are those derived from the labelling (see section 2).

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**

Toxicity to fish :
Remarks: no data available

Toxicity to daphnia and other :
aquatic invertebrates Remarks: no data available

Toxicity to algae/aquatic :
plants Remarks: no data available

Toxicity to microorganisms : Remarks: no data available

Components:**N,N'-Ethylenedi(stearamide):**

Toxicity to fish : LC50 (Oryzias latipes (Orange-red killifish)): 0.027 mg/l
End point: mortality
Exposure time: 96 h

CERIDUST 2740 TP

Page 12

Substance key: 000000685490

Revision Date: 05/11/2022

Version : 1 - 2 / USA

Date of printing : 11/06/2023

Method: OECD Test Guideline 203

Remarks: No toxicity at the limit of solubility

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.0022 mg/l
Exposure time: 48 h
Test Type: semi-static test
Method: OECD Test Guideline 202
Remarks: No toxicity at the limit of solubility

Toxicity to algae/aquatic plants : NOEC (Pseudokirchneriella subcapitata (algae)): 0.053 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
Remarks: No toxicity at the limit of solubility

Toxicity to fish (Chronic toxicity) : Remarks: no data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC50 (Daphnia magna (Water flea)): 0.0056 mg/l
Exposure time: 21 d
Method: OECD Test Guideline 211
Remarks: No toxicity at the limit of solubility

Toxicity to microorganisms : EC50 (activated sludge): > 1,000 mg/l
Exposure time: 3 h
Test Type: static test
Method: OECD Test Guideline 209

Toxicity to soil dwelling organisms : NOEC (Eisenia fetida (earthworms)): >= 1,000 mg/kg
Exposure time: 56 d
Method: OECD Test Guideline 222

Sediment toxicity : NOEC: >= 1000 mg/kg dry weight (d.w.)
Test Type: static test
Sediment: Artificial sediment
Exposure duration: 28 d
Method: OECD Test Guideline 218

Persistence and degradability**Product:**

Biodegradability : Remarks: This property is substance-specific and therefore cannot be given for the preparation.

Components:**N,N'-Ethylenedi(stearamide):**

Biodegradability : aerobic
Inoculum: activated sludge
Carbon dioxide (CO₂)
Result: Not readily biodegradable.
Biodegradation: 5.5 %
Exposure time: 28 d

CERIDUST 2740 TP

Page 13

Substance key: 000000685490

Revision Date: 05/11/2022

Version : 1 - 2 / USA

Date of printing :11/06/2023

Method: OECD Test Guideline 301B

Bioaccumulative potential**Product:**

Bioaccumulation : Remarks: no data available

Components:**N,N'-Ethylenedi(stearamide):**

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : Remarks: Not applicable

Mobility in soil**Components:****N,N'-Ethylenedi(stearamide):**Distribution among environmental compartments : log Koc: 8.6 - 8.91
Method: calculated**Other adverse effects****Product:**

Environmental fate and pathways : Remarks: no data available

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.
Avoid release to the environment.**Components:****N,N'-Ethylenedi(stearamide):**

Results of PBT and vPvB assessment : The substance is not identified as a PBT or as a vPvB substance.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

RCRA - Resource Conservation and Recovery Act : This product, if discarded as sold, is not a Federal RCRA hazardous waste.

Waste Code : NONE

Waste from residues : Dispose of spilled or waste product, contaminated soil and other contaminated materials in licensed landfill or treatment facility in accordance with all local, state, and federal regulations.

CERIDUST 2740 TP

Page 14

Substance key: 000000685490

Revision Date: 05/11/2022

Version : 1 - 2 / USA

Date of printing : 11/06/2023

Contaminated packaging : Packaging that cannot be cleaned should be disposed of as product waste

SECTION 14. TRANSPORT INFORMATION

DOT not restricted
IATA not restricted
IMDG not restricted

SECTION 15. REGULATORY INFORMATION**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Combustible dust

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Water Act

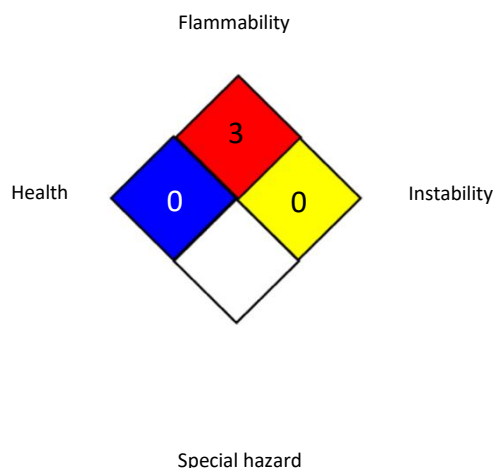
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

The components of this product are reported in the following inventories:

TSCA : Listed on TSCA, All components are compliant with the TSCA Inventory Notification (Active) rule.

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:**Full text of other abbreviations**

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA P0	:	USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)
ACGIH / TWA	:	8-hour, time-weighted average
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
OSHA P0 / TWA	:	8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect

Substance key: 000000685490

Revision Date: 05/11/2022

Version : 1 - 2 / USA

Date of printing :11/06/2023

Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECl - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 05/11/2022

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Clariant makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Clariant's products for its particular application. NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE. Nothing included in this information waives any of Clariant's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Clariant products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Clariant.

US / EN